Notebook Series -- Notebooks by Experimenters Other Than Edison
Phonograph Record Experiments
Miscellaneous Disc Composition Books
Notebook, N-16-04-26

This notebook was used by Archie D. Hoffman during April 1916 for experiments on disk "transfers" performed on orders from Edison. The experiments have "E" numbers that correspond to the experiment numbers in N-16-03-07 and N-16-04-27, Notebooks by Edison and Other Experimenters—Disc Record Books, Nos. 1-26. The notes provide information on the preparation of the blank, such as varnish details, along with details of transfer schedules, such as temperatures, times, and pressures. The pages are unnumbered. Approximately 30 pages have been used.

485-E
Transfer 1412 blanks - Brushed.
1412 Blk. - Pot 95
Schedule
Put at Contact first off. pair
When temperature get to 950° Fahr put
on 150 lbs pressure & hold for 5
minutes, then bump pressure to
300 lbs hold for 12 minutes

4/26/1-

487-E
Transfer 48 1412 blanks with
reg. 9 pr bake, varnish.
The Blanks to brushed with Varnish
only 1/4 inch. in - ~~and~~ more -

Then print the, colors.
Carefully inspect & mark all
defects.

Put 1/2 of them in Chemical room
& 1/2 over oven for tinic test.

488-E

Transfer 12-1412 Blanchard
Reg Varnish plates 9 hrs bake
Blanks not Brushed.
Put at Contact needle just off the pin-
When temperature reaches 180 °F then
put pressure to 150 lbs hold for 6
Minutes, then raise to 300 lbs
& hold for 3 minutes hold for 10
minutes, cool.
Don't Edge or Buff.

Finished

491-E

Tracked blanks having no liner on —

Transfer the missing reg. Dec plates + following schedule.

Put at contact with just barely pin — When temp. reaches 180° Fahr put the pressure up to 300 lbs + hold for 12 minutes, take out at about 125° Fahr.

Transferred on Jan 5 1955 Lot. 400
Ovolo 5
2 Red Blisters
4 O R.

4/27/16

489. E

Bake 50 1412 blankets Not Brushed.

Run them through regular Oven when gas are turned Down in plates reg. schedule.

Transfer reg 1412 blanks schedule + give me results

Take 50 of 96 Cot Blks

4/27/16

491-E

Tacked blanks having no Veneer on —

Transfer these using reg. Vac plates + following schedule.

Put in contact needle first leaving pin — Then Evacuate 180° Fahr. put the pressure up to 300 lbs for 12 minutes, take out, 125° Fahr.

4/27/16

491-E

Blanks not Brushed.

Take 6 1412 blanks, use Tacked, magnets + print on the bare blanks - use Reg. Transfer Schedule -

If OK. put Reg Transfer on these.

Finished

4/27/16

493-E

Duf. of 12 Blades 490 - 14 1/2 blades
not brushed but Edged 1/32
smaller in Diameter -
See 485-E Transfer
Schedule.

Finished

4/27/16

494-E

Edge 24 1412 blanks —

1/8 inch less in diameter

+ inch 12 Transfer blanks

not bended.

See 495-E Schedule.

Lot 95-1412-E Blk. Jan 1955 Qty 400 Dies 5

2 Red Blotts, 10 O.K.

These 12 blanks have been bended

as follows

1 — 9.882
2 — 9.883
3 — 9.883
4 — 9.884
5 — 9.880
6 — 9.884
7 — 9.880
8 — 9.880
9 — 9.883
10 — 9.883
11 — 9.884
12 — 9.883

4/27/16

495-E Lot 102-1412.

Case 12-1412 not brushed.

Marks, Reg Transfer plates, put at cold start, checks just of pin, When temperature of reactor 180° F also, put pressure at 390 lbs + hold 20, 1 minute cool + remove at about 125° F also

Lot #102-1412 J-Blk. Jac 1255 - Lot 400 Oven 5
1 Red Blister, 11 On.

4/27/15

496-E #1508 Rambler

Special 1412 Hands brushed.

only 1 1/3 Lowellac.

Transfer. opts. Reg. Plates

regulate schedule

Pd 93-1508 Blk. Jan 1255 Pd 200 Dec 5

9 Red Blists 10 O.K.

4/27/16

498-E

Use Reg 1412 brushed blanks
press blue blanks with Tracing
Manifolds, instead of Tracing
Plates.

Use reg. frame schedule
except final pressure is to be
500 lbs instead of 300 —

4/27/16

499-E

Inz 1508 Hoffman Blank
Trusted - 12 Blanks

Transfer with rig plates

Schedule Put at contact
needle just leave pin, When
temperature reaches 150° Fahr.
put pressure at 300 lbs + hold
for 12 minutes. - Cool +
remove at 125° Fahr.

Set 93. 1508 Blk. Vac 10 55 Set 450 Oven 5
3 Red Blister 9 O.K.

4/27/16

500 E

Inz Hoffman 1508 Blank.
1 1/3 Vac. N Brushed. —

Press blanks with tracing +
Music Needle.

Schedule - put in Contact
needle just leaving pin —
When temperature reaches 150° Fahr.
Put pressure to 500 lbs + hold.
for 12 minutes, Cool + remove
at 125° Fahr.

4/27/16

501 —
Use 1412 Brushed Blanks
Use Special Music room
[illegible] Lists
Reg 1410 Scheduled.

[Take 2/54-57]

4/28/16

509. E
Transfer 19 Handles 1412
brushed. —

Use 22½ cc plates on 6 blanks
+ 15 cc on the other 5 blanks

These plates are regular Use
Transfer regular transfer
schedule for 1412 Handles

4/28/16

1010-E

Use 12 blankets from 489E
Get of Baked Blanket
put one coat of welding Var on
Dry 2 hrs.

Print duct sills regular Mirus
Handle now in Use.

Schedule - Bring to Contact
media of pin - When temperature
reaches 189° Vacu. put pressure to
700 lbs. for 12 minutes, cool +
remove when 125° Vacu

4/28/16

1011-E

Duplicate of 1010 E

But put 2 coats Varnish on
Drying oven after each coat.

Use same schedule as in 1010E

4/27/16

505-E

Duplicate of 500 E using Hoffman 1508 brushed blanks.

Print direct on blank with Regular Music Mouldts now in use —

Schedule - Bring to Contact needle of pin. When temperature reaches 180° Fahr. put 560 lbs pressure on for 12 minutes then cool & remove at 125° Fahr

4/28/16

1005-E Make 50 Blanks per 2 by putting on two coats of Varnish Drying 2 hrs after each coat.

Use same varnish as used for Stamp plates, varn out any Stamp Stock

Print 12 blanks direct on blanks using regular music moulds now in use.

Schedule - Bring to Contact needle just off the pin. When temperature reaches 189° Fahr. put pressure at 700 lbs for 12 minutes, cool & remove at 125° Fahr.

4/28/16

1020 E 1508 507- E-B

Use 12 Blanks 1508 Out.

1/16 inch thickness

1/16 put on 1 coat of brush Gas

Dry 1 hr.

Use 10 Inserts Mould + 2

Inserts & Moulds

Schedule - Put at Contact,

needle of pipe - When temperature

reaches 180° Fahr. put pressure

to 450 lbs for 12 minutes, cool &

remove at 125

4/29/16

1003-E

Use Blanks 1003 E from Hoffman

they are small 14/2 blanks

Put two coats of Gas on each.

face drying 2 hrs after each coat.

Print Direct 12 blanks with reg

Insert Mould

Schedule — Put in Contact,

with needle of pipe — When temperature

get to 180° Fahr put on 500 lbs

pressure for 12 minutes, then cool.

remove at 125° Fahr

4/29/12

1018-E

Duplicate of 1017.
Only change is to cool
down Cold before taking from
Press. —

4/27/16

1001 –

Make 50 reg 1412 blanks – Brushed with 2 Coats of Brushing Varnish, dry two hours before putting on 2nd Coat, Dry 2 hours after second Coat is on

Save the blanks & don't ruin them

Take 12 of these blanks & print direct on our Reg working Moulds now being used.

Schedule – Put in Contact Needle just let in – When temperature get to 180° Fahr put on 500 lbs pressure and hold for 12 minutes Cool & remove at 125° Fahr.

4/27/16

1002 E

Use 12 prints of 1001

Print direct on blank with the following Schedule.

Put at Contact needle just let in – When temperature reaches 180° Fahr put on 500 lbs pressure and hold for 20 minutes, cool & remove at 125° Fahr.

Use Reg Music Moulds.

4/29/16

1013-E

Reprint 12 Direct Printing records, but before separating coat with 2 layers of brushed Varnish drying 2 hours each.

Schedule = Bring to contact, carefully put bags in. When temperature reaches 180°F put on 80 lbs pressure. Hold for 12 minutes. Cool & remove at 125° Fahr.

4/27/16

1004

Moore has gone 1412 Brushed blanks — Baked at 130° Fahr for 5 hrs —

Print 12 dried on blanks with Reg Music Records now being used.

Schedule

Put at contact quickly just off the fire. — Temperature reached 180° Fahr. Put pressure to 500 lbs for 12 minutes, cool & remove at 125° Fahr.

Finished at 4/28/16

413

4/27/16

1007-E

Reprint 12 Victor printed records, using regular Moulds.

Schedule-
Bring to contact till needle does flow. When temperature reaches 180° Fahr. put pressure to 700 lbs for 12 minutes, then cool + remove at 125° Fahr.

4/27/16

1012-E

Duplicate 1001-

Built change schedule so final pressure is 670 lbs for 12 minutes